

ABSTRACT

A phosphor having high luminescence when excited by
5 vacuum ultraviolet ray and a vacuum ultraviolet radiation
excited light-emitting device comprising the phosphor. The
phosphor comprises a metal oxide comprises at least one metal
element M¹ selected from the group consisting of Ca, Sr and Ba,
at least one metal element M² selected from the group consisting
10 of Y, La, Gd and Lu, at least one metal element M³ selected from
the group consisting of Si and Ge and oxygen, and at least one
metal element Ln¹ selected from the group consisting of Ce, Pr,
Nd, Pm, Sm, Eu, Tb, Dy, Ho, Er, Tm, Yb, and Mn, as an activator.